

DOCKET NO. **TI-35470**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Applicant: **Pinghai Hao, et al.**  
Serial No.: **Unknown**  
Filed: **Herewith**

For: ***REDUCTION OF CHANNEL HOT CARRIER EFFECTS IN TRANSISTOR DEVICES***

Art Unit: **Unknown**  
Examiner: **Unknown**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed foreign patent document and other publication is enclosed. No U.S. Patents nor any published U.S. Patent Applications are enclosed.

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

(a)\_\_\_\_\_ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

(b)\_\_\_\_\_ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

(a)\_\_\_\_\_ Within 3 months of the filing date or date of entry into the National Stage.

(b) X Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668 for consideration of this Statement.

(c)\_\_\_\_ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1)\_\_\_\_ The required certification is given below, or

(2)\_\_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement,  
or

(3)\_\_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668.

(d)\_\_\_\_ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1)\_\_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2)\_\_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 20-0668.

4. Certification (if applicable)

(a)\_\_\_\_ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b)\_\_\_\_ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-0668.

Respectfully Submitted,

TAROLLI, SUNDHEIM, COVELL, & TUMMINO L.L.P.

By: 

Gary J. Pitzer  
Reg. No. 39,334

CUSTOMER NUMBER: 23494

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Pinghai Hao, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	TI-35470

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## U. S. PATENT DOCUMENTS Nam

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FOREIGN PATENT DOCUMENTS		No.
Publication		
1	2	3
4	5	6
7	8	9
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[illegible]

Examiner  
Signature

Date	
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				<b>Filing Date</b>	
				<b>First Named Inventor</b> Pinghai Hao, et al.	
				<b>Art Unit</b>	
				<b>Examiner Name</b>	
				<b>Attorney Docket Number</b> TI-35470	
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		YUSUF LEBLEBICI, "LowDesign Considerations for CMOS Digital Circuits With Improved Hot-Carrier Reliability", IEEE Journal of Solid-State Circuits, VOL. 31, No. 7, pp. 1014-1024, July 1996	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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